

Recombinant Chicken Vitellogenin-1(VTG1)

Catalog No: #AP70966

Package Size: #AP70966-1 20ug #AP70966-2 100ug #AP70966-3 1mg

Description

Product Name	Recombinant Chicken Vitellogenin-1(VTG1)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:24-633aaSequence Info:Full Length
Other Names	Minor vitellogeninVitellogenin I
Accession No.	P87498
Calculated MW	72.4 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	FGENKVYTYNYESILFSGIPEKGLARTGIRIRSEVEISGIGPKLCLIRIHSIEAAEYNGIWPTSSFSRSLKLTQALTG QLSIPIKFEYSNGHVGNLMPDSDVDDGLNIYRGILNILELSLKKMQHSYSIQEAGIGGICNTTYAIQENKKANLV DVTKSKDLNSCEEKVQVVTGSAYTQPCQTCQQRNKNRSRATATYNYKIKYTHNEAVITQAEVEEVHQFTPFHEI TGGNAIVEARQKLALIEVQKQVAEVPPEKFQKRGSLQYQFGSELLQLPVHLFKIKDVERQIEERLQDLVETTYE QLPSDAPAKALKLMHLLRAANEENYESVWKQFSSRPAYRRYLLDLLPAAASHRSLRFLRHKMERQELTNWEI AQTVLVALHSSSTQEVMEETLIVKKHCHPRSSSVLRKVCLLSYASLCHKRCSSPYSCSECLQVFHVFAAGEAL GKSNIIEVLLALKALGNVGHPSAIKHIKKFLPGYAAGASELPLKVHETAVMALKSIGMRDPQMVAITLIFLNH KIHPRIRMLAAVVLLETGPGLPILMILVDAVLKEPSMQVASFIYSHLRALGRSTAPDLQMMASACRMAVRALSPK FDRSGYQFSKVFRF
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Precursor of the egg-yolk proteins that are sources of nutrients during early development of oviparous organisms.Phosvitin is believed to be of importance in sequestering calcium, iron and other cations for the developing bryo.

References

Precursor-product relationship between chicken vitellogenin and the yolk proteins the 40KDA yolk plasma glycoprotein is derived from the C-terminal cysteine-rich domain of vitellogenin II.Yamamura J., Adachi T., Aoki N., Nakajima H., Nakamura R., Matsuda T.Biochim. Biophys. Acta 1244:384-394(1995)Research Topic:Others

Note: This product is for in vitro research use only and is not intended for use in humans or animals.